

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Raanan A. Miller and Mark C. Terrell

Continuation Application of

Application No.: 09/929,273

Filed: August 14, 2001

Title: PANCAKE SPECTROMETER

Date: 4/14/04

EXPRESS MAIL LABEL NO. EV 214957653 US

INFORMATION DISCLOSURE STATEMENT

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☐ Copies of the cited references are enclosed.
- ☐ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☒ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. 09/929,273, to which priority under 35 U.S.C. 120 is claimed. The earlier application contains copies of the cited references.
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By 

David J. Thibodeau, Jr.

Registration No.: 31,671

Telephone: (978) 341-0036

Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: 4/14/07

PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>April 13, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3239.1006-001		APPLICATION NO.	
	FIRST NAMED INVENTOR Raanan A. Miller		FILING DATE	
	EXAMINER	CONFIRMATION NO.	GROUP	

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	5,420,424	05-30-1995	Carnahan <i>et al.</i>
	AB	5,455,417	10-03-1995	Sacristan
	AC	5,536,939	07-16-1996	Freidhoff <i>et al.</i>
	AD	5,723,861	03-03-1998	Carnahan <i>et al.</i>
	AE	5,763,876	06-09-1998	Pertinarides <i>et al.</i>
	AF	5,789,745	08-04-1998	Martin <i>et al.</i>
	AG	5,736,739	04-07-1998	Uber <i>et al.</i>
	AH	5,801,379	09-01-1998	Kouznetsov
	AI	5,834,771	11-10-1998	Yoon <i>et al.</i>
	AJ	5,965,882	10-12-1999	Megerle <i>et al.</i>
	AK	6,051,832	04-08-2000	Bradshaw
	AA2	6,512,224		Miller <i>et al.</i>

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	AL	WO 00/08454	02-17-2000	National Research Council Canada		
	AM	WO 00/08455	02-17-2000	National Research Council Canada		
	AN	WO 00/08456	02-17-2000	National Research Council Canada		
	AO	WO 00/08457	02-17-2000	National Research Council Canada		
	AP	SU 1405489A1	06-10-1998	Buryakov <i>et al.</i>		
	AQ	SU 966583	10-15-1982	Gorshkov MP		
	AL2	SU 1337934 A2	09-15-1987	Buryakov <i>et al.</i> (Abstract)		
	AM2	SU 1412447 A1	06-10-1998	Buryakov <i>et al.</i> (Abstract)		
	AN2	SU 1485808 A1	10-06-1998	Buryakov <i>et al.</i> (Abstract)		
	AO2	SU 1627984 A2	07-20-1988	(Abstract)		

EXAMINER	DATE CONSIDERED
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PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>April 13, 2004</b>  (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3239.1006-001		APPLICATION NO.	
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	EXAMINER	CONFIRMATION NO.	GROUP	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	Buryakov, I.A., <i>et al.</i> , "A New Method of Separation of Multi-Atomic Ions by Mobility at Atmospheric Pressure Using a High-Frequency Amplitude-Asymmetric Strong Electric Field," <i>International J. Mass. Spectrometry and Ion Processes</i> , 128: 143-148 (1993).	
AS	Buryakov, I.A., <i>et al.</i> , "Separation Ions According to Mobility in a Strong ac electric Field," <i>Sov. Tech. Phys. Lett.</i> , 17(6): 446-447 (1991). Appears to be English translation of attached Russian reference (Pisma v ZTF, v.17, N12, p. 60 (1991)).	
AT	Buryakov, I.A., <i>et al.</i> , "Drift Spectrometer for the Control of Amine Traces in the Atmosphere," <i>J. Analytical Chem.</i> , 48(1): 156-165 (1993). Appears to be English translation of attached Russian reference (Zhurnal Anal. Chim., 48:N1, p. 156 (1993)).	
AU	Carnahan, B., <i>et al.</i> , "Field Ion Spectrometry - A New Analytical Technology for Trace Gas Analysis," <i>ISA Paper</i> 96-009: 87-96 (1996).	
AV	Guevremont, Roger and Purves, Randy W., "High Field Asymmetric Waveform Ion Mobility Spectrometry-Mass Spectrometry: An Investigation of Leucine Enkephalin Ions Produced by Electrospray Ionization," <i>J. Am. Soc. Mass. Spectrom.</i> , 10: 492-501 (1999).	
AW	Handy, Russell, <i>et al.</i> , "Determination of nanomolar levels of perchlorate in water by ESI-FAIMS-MS," <i>JAAS</i> , 15: 907-911 (2000).	
AX	Miller, R.A., <i>et al.</i> , "A Novel Micromachined High-Field Asymmetric Waveform Ion Mobility Spectrometer," Dept of Chem. And Biochem., New Mexico State University, October 10, 1999	
AY	Verenchikov, A.N., <i>et al.</i> , Analysis ions in solutes by gaseous ion analyzer. "Chemical Analysis of the Environmental Objects," red. Malakhov. Novosibirsk, Nauka, pp. 127-134(1991).	
AZ	Buryakov, I.A., <i>et al.</i> , Devices and Methods of the Gaseous Electrophoresis. "Chemical Analysis of the Environmental Objects," red. Malakhov. Novosibirsk, Nauka, pp. 113-127 (1991).	
AR2	I.A. Burykov, et al., "Device And Method For Gas Electrophoresis," <i>Chemical Analysis of Environment</i> , edit. Prof. V.V. Malakhov, Novosibirsk: Nauka, 1991, p. 113-127	
AS2	A.N. Verenchikov, et al., "Analysis Of Ionic Composition Of Solutions Using An Ion Gas Analyzer," <i>Chemical Analysis of Environment</i> , edit. Prof. V.V. Malakhov, Novosibirsk: Nauka, 1991, pp. 127-134	

EXAMINER	DATE CONSIDERED
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